551.5
Un3ape
1923

U.S. Department of Agriculture
WEATHER BUREAU
CHARLES F. MARVIN, Chief.

JAN 23 19[illegible]
UNIVERSITY OF ILLINOIS

Annual Summary

1923

COMPARATIVE DATA.

68 Years

HOURLY RAINFALL

April to October, 19 Years.

RIVER DATA 50 YEARS.

PEORIA, ILL.

Prepared under the direction of
M. L. Fuller
METEOROLOGIST.

PUBLISHED BY
U.S. WEATHER BUREAU
PEORIA ILL.

Hourly Rainfall at Peoria

Is tabulated on pages 6 & 7. Condensed summaries of this table are shown on page 8.

Nineteen years is too short a record to give smooth or exact curves of hourly frequency, particularly for the heavier rains. The following characteristics of Peoria rainfall are more or less definitely indicated.

1. Frequency.

For the period April to October, inclusive, the rain hours at Peoria are fewest in August and most numerous in April.

Hours with only a trace comprise 43 per cent of the total hours with precipitation, and hold about that proportion in each of the months.

Of the very light rains, T to .02 inch per hour, April has about 3 times as many as August.

Of .03 to .05 per hour., April has two and one half times as many as August.

Of moderate rains, .06 to .20 per hour., April has twice the August number.

Rains of .21 to .30 per hour. number about the same in April, June, July, September., and are fewest in October.

Heavy rains, .31 to .50 per hour., occurred nearly 3 times as often in July as in Oct. or June.

Rains of over .50 per hour., were most frequent in June, August, April, in the order named.

The last two classes need a much longer record to give accurate conclusions.

2. Time of Day.

For the entire period, the occurrence of traces ranges from 2.2 per cent of the possible at 2 a.m., to 5.4 per cent at 9--10 a.m.

In April, the trace frequency at 1 a.m. is about one third that of midday.

In August-September., trace frequency at 1 a m., is about one tenth that of early afternoon.

In any month a portion of the night traces are doubtless not recorded.

For .01 per hour., during the season, maximum frequency is at 5--6 a.m., minimum at 10 a m. to 1 p.m., and a secondary maximum at 4-7 p.m.

For .03 to .05, most of the season, maximum is at 5--6 a.m. The minimum at 1 p.m. is about one-half the maximum. A secondary maximum occurs at 5--6 p.m.

For .31 to .50 inch, maximum is at 4--6 p. m., secondary maximum at 3--4 a.m., and slight minima at 5 and 8 a.m.

Rains of over .50 inch are irregular; the maximum in summer is apparently at 3--6 p.m.

Annual Meteorological Summary, 1923, at Peoria, Ill.

MONTH.	TEMPERATURE						PRECIPITATION					HUMID. Percent			SUN-SHINE		WIND					NUMBER OF DAYS.										
																			Highest										Temperature			
																													Max		Min	
	Normal—33 yr.	Mean 1923	Highest	Date.	Lowest	Date.	Normal, 33 yr.	Total, 1923	Greatest in 24 hours	Date.	Snowfall	7 a. m.	Noon	7 p. m.	Number of h'rs	Percent of possible	Avg. miles per h'r.	Prevailing Dir.	Velocity	Direction.	Date.	Clear *	Partly Cloudy *	Cloudy *	Precip. .01 or more	Snow, .01 or more	Thunderstorms	Dense Fog	32 or below	90 or above	32 or below	Zero & below
January ..	23	32	50	18	15	22	2.29	1.10	0.41	† 5	5.4	86	74	80	130	44	7.8	SE	27	NW	9	6	9	16	11	3	0	3	4	0	27	0
February..	26	23	45	24	−6	4	2.69	0.83	0.47	12-13	1.5	85	71	79	149	50	8.1	NW	30	W	13	11	4	13	10	5	2	2	14	0	28	4
March ...	37	34	70	2	−2	19	2.95	4.08	2.11	11-12	3.7	80	66	74	211	57	9.3	NW	33	NE	11	17	1	13	12	7	3	0	5	0	26	1
April	51	49	80	30	26	1	3.28	1.95	0.62	2- 3	1.6	78	54	61	209	52	8.4	S	29	SW	21	12	9	9	12	1	5	0	0	0	11	0
May	62	61	85	31	32	8	4.25	5.15	2.59	11	0.1	74	52	62	263	59	7.2	E	30	NE	11	11	12	8	9	1	5	0	0	0	1	0
June	71	73	97	21	45	29	4.39	2.09	1.30	27-28	0	81	58	64	308	68	4.8	S	21	SW	6	20	7	3	8	0	13	0	0	7	0	0
July	75	78	98	22	51	2	2.97	1.35	0.58	27	0	79	48	51	368	80	3.8	NE	16	W	3	22	6	3	6	0	6	0	0	15	6	0
August	72	73	97	11	46	22	2.93	2.81	1.57	7- 8	0	85	57	68	286	67	3.7	NE	29	SW	7	18	5	8	11	0	8	0	0	6	0	0
September.	64	65	86	3	37	14	3.12	5.28	1.19	5- 6	0	91	66	78	167	45	3.9	SE	15	SW	8	8	10	12	12	0	8	1	0	0	0	0
October ...	52	56	73	10	23	31	2.57	3.85	1.80	17-18	T	90	57	74	224	65	4.1	NW	22	NW	18	15	5	8	8	0	0	1	0	0	6	0
November	38	42	67	10	21	1	2.64	1.37	0.42	13-14	T	86	65	76	159	47	5.6	NW	19	SW	20	12	8	10	8	0	0	2	0	0	13	0
December .	28	38	57	18	−2	31	2.37	2.21	1.12	12-13	0.6	89	76	84	112	50	6.9	S	23	NW	27	9	7	15	13	3	0	2	0	0	20	1
Year	50	52	98	Jul. 22	-6	Feb 4	36.29	32.10	2.59	May 11	12.9	81	62	71	2416	58	6.1	S	33	NE	Mar 11	161	83	118	120	20	50	11	23	28	132	6

† Also on 26-27th.

* Daylight hours only.

23 Ja25 div. g. 1923 cont.

21 Oct 27 [illegible]

MONTHLY AND ANNUAL PRECIPITATION.

Yr	n	Feb	Mar	Apr	May	Jun	Jul.	Aug	sept	oct	Nov	Dec	An'l
1855	....	....	....	....	....	....	....	....	....	....	....	3.76	.....
1856	0.80	1.03	0.25	0.86	4.08	1.50	2.83	1.39	0.78	1.66	4.00	6.13	25.31
1857	0.37	5.33	3.82	1.39	2.80	2.77	1.40	5.61	2.16	2.01	1.35	1.50	30.51
1858	1.48	1.95	3.28	6.25	10.64	5.95	5.75	3.24	2.96	3.24	4.85	3.67	53.26
1859	1.50	1.42	5.82	2.60	3.17	2.18	0.67	1.14	2.84	2.15	2.40	1.23	30.12
1860	1.86	2.40	1.13	1.64	2.00	4.95	3.87	2.39	2.11	0.70	3.13	3.08	34.26
1861	1.25	2.46	3.96	4.95	2.19	2.31	2.31	2.78	3.72	2.33	1.09	0.94	30.29
1862	4.27	0.70	2.71	5.03	1.46	3.67	7.74	9.04	5.09	1.61	1.81	5.20	48.33
1863	2.83	3.20	2.60	1.52	2.97	0.45	4.82	2.21	2.51	3.92	0.71	4.19	32.26
1864	1.42	0.41	2.26	4.81	1.88	2.55	2.92	1.56	4.71	1.53	3.82	3.06	30.87
1865	0.22	4.01	3.57	4.27	2.34	1.86	5.77	3.61	8.31	1.67	0.31	1.06	37.00
1866	3.21	1.10	2.54	2.65	2.57	2.61	5.17	3.97	6.50	2.87	0.51	2.05	35.75
1867	1.36	2.88	1.74	1.57	4.40	2.92	2.65	2.26	0.60	1.19	1.93	1.21	24.62
1868	0.77	0.75	5.38	3.18	7.85	1.43	1.47	2.74	4.46	1.41	4.50	1.81	35.75
1869	0.99	2.62	1.71	3.59	6.09	8.35	7.35	3.39	0.74	1.53	3.15	2.63	42.12
1870	2.05	0.33	4.37	0.45	1.62	0.75	0.68	3.26	3.56	4.27	1.21	1.12	23.67
1871	2.45	1.62	3.24	2.58	1.93	3.47	4.03	4.95	0.65	3.57	2.09	2.04	32.42
1872	0.20	0.69	2.53	2.95	2.38	9.76	7.80	4.54	4.13	0.80	2.06	1.07	38.85
1873	3.47	1.29	1.30	4.76	4.78	2.96	4.25	1.25	3.65	2.26	1.46	7.15	38.58
1874	3.04	1.45	1.11	2.90	2.51	1.95	1.46	5.60	1.15	1.00	2.20	0.67	25.04
1875	0.32	2.20	2.05	2.00	4.23	3.00	8.28	1.02	9.61	3.46	0.71	2.39	39.27
1876	2.63	2.00	4.70	2.66	3.94	6.17	5.54	3.14	4.51	1.86	2.63	3.28	43.06
1877	0.92	0.08	3.32	2.86	2.57	9.43	3.01	2.04	2.83	5.68	3.65	3.45	39.82
1878	0.50	2.25	2.10	3.75	4.45	3.94	2.58	4.42	0.97	3.96	0.91	2.08	31.91
1879	1.05	0.97	1.80	2.95	0.93	3.23	3.42	1.88	3.72	2.17	4.93	1.92	28.97
1880	3.38	3.95	3.30	5.94	6.73	2.32	3.17	3.38	3.09	1.75	1.92	0.96	39.89
1881	0.52	3.51	3.52	1.62	3.60	7.20	2.43	1.58	4.65	5.56	4.26	3.50	41.45
1882	1.27	3.21	3.12	2.41	6.34	11.18	2.91	1.92	1.43	3.76	2.08	1.76	41.39
1883	1.31	4.14	0.77	6.18	6.54	4.39	3.57	0.57	2.93	3.57	4.19	1.37	39.53
1884	0.70	3.18	2.17	2.62	5.50	3.87	3.67	4.13	5.76	4.80	2.19	3.21	41.80
1885	2.63	0.87	2.24	4.44	1.70	4.07	3.73	2.64	5.28	2.32	1.04	2.44	33.40
1886	2.41	1.86	2.25	2.75	2.90	3.67	0.47	3.30	4.68	1.81	1.34	0.89	28.33
1887	1.10	5.45	0.94	1.53	1.24	1.53	2.85	2.72	2.53	2.14	1.62	3.65	27.30
1888	1.87	1.66	4.03	1.18	6.72	1.84	6.48	2.30	4.79	2.29	2.67	2.39	38.22
1889	1.70	0.84	1.50	2.79	3.92	6.48	7.64	1.23	2.61	2.28	2.91	1.33	35.23
1890	2.80	1.36	2.73	2.33	2.74	2.42	0.72	2.39	2.12	3.45	1.79	0.41	25.26
1891	1.69	1.90	2.68	3.64	1.97	3.31	2.82	5.71	2.00	0.71	4.08	2.40	32.91
1892	1.25	1.78	2.45	4.54	7.70	6.05	3.08	0.73	2.35	1.26	2.72	1.75	35.60
1893	1.15	2.92	3.04	7.86	4.65	1.82	2.48	0.44	3.02	0.79	2.21	1.74	32.00
1894	2.60	1.48	3.06	2.22	3.58	4.18	1.00	2.50	4.42	1.45	2.92	1.58	30.99
1895	1.32	0.37	1.02	2.89	1.84	1.67	8.72	2.27	4.92	0.67	4.17	5.86	35.72
1896	1.30	1.95	1.05	4.47	5.74	2.23	7.02	4.69	4.86	0.23	2.20	0.40	36.14
1897	5.39	1.19	4.70	2.87	1.29	2.11	4.65	1.02	0.93	0.04	3.48	1.16	28.83
1898	4.08	2.59	5.74	3.02	5.54	3.37	0.47	3.26	6.05	3.00	2.03	0.93	40.08
1899	0.72	1.96	2.97	1.36	6.03	2.60	1.69	1.27	5.24	2.78	2.25	2.12	30.99
1900	1.92	5.64	1.42	1.09	5.54	1.44	2.45	5.39	2.94	2.90	1.87	0.39	32.99
1901	1.98	1.24	4.31	0.81	1.50	4.32	3.97	1.29	2.64	0.90	0.80	2.26	26.02
1902	0.62	1.41	2.71	2.29	2.99	9.60	7.30	7.42	6.78	3.78	2.83	1.54	49.27
1903	0.89	1.70	3.66	5.15	4.22	2.39	4.91	7.22	5.78	2.15	0.85	0.95	39.85
1904	1.87	1.29	4.42	3.48	4.06	2.44	5.58	4.13	6.67	0.10	0.12	1.33	35.49
1905	1.15	1.45	2.00	3.99	4.53	5.13	4.24	1.36	1.78	2.77	2.45	1.60	32.45
1906	1.70	1.85	2.55	2.77	2.88	3.24	2.48	1.59	4.92	1.00	2.42	1.65	29.05
1907	5.39	0.14	2.34	2.82	2.08	3.99	4.89	6.60	2.94	0.35	1.68	1.66	34.88
1908	0.59	3.98	2.50	4.08	7.76	4.09	3.94	2.78	0.82	0.71	1.89	0.82	33.96
1909	1.55	3.67	1.81	7.17	3.72	3.56	4.57	0.79	3.68	3.59	5.53	2.50	42.14
1910	1.97	1.10	0.52	3.56	4.49	0.78	3.23	0.68	3.12	1.69	0.79	1.25	23.18
1911	2.37	2.39	2.64	2.69	1.03	6.64	2.58	1.73	12.30	2.65	3.01	2.13	42.16
1912	0.35	1.21	2.03	6.88	4.39	1.86	5.04	1.67	3.54	1.03	1.56	1.13	30.69
1913	2.18	3.00	3.46	3.54	1.85	2.50	0.46	2.87	2.58	3.11	2.77	0.74	29.06
1914	1.93	1.36	1.60	2.10	2.28	2.45	0.82	2.40	5.55	2.15	0.20	1.81	24.65
1915	1.89	2.71	0.67	1.60	11.49	2.08	6.91	4.78	4.88	0.55	2.29	1.66	41.51
1916	5.95	0.29	2.33	1.60	7.51	2.55	1.14	6.05	3.73	2.93	1.88	1.75	37.69
1917	1.86	0.27	2.26	4.54	2.46	7.43	1.92	3.36	3.14	2.23	0.07	0.65	30.11
1918	1.58	1.64	0.91	3.70	3.02	4.69	3.46	5.88	1.67	2.97	3.18	2.80	35.50
1919	0.07	2.32	4.52	2.35	3.79	3.96	3.09	4.73	3.48	2.12	2.91	0.30	33.64
1920	0.93	0.27	5.84	6.12	3.03	2.18	1.56	1.87	1.84	1.93	1.22	1.87	28.66
1921	1.39	0.29	4.89	6.36	2.13	2.17	3.95	3.86	4.86	2.97	3.43	2.91	39.21
1922	1.69	1.98	5.09	3.62	4.60	0.99	3.06	0.72	2.71	2.02	3.67	1.38	31.53
1923	1.10	0.83	4.08	1.95	5.15	2.09	1.25	2.84	5.28	3.85	1.37	2.21	32.10
Avg	1.78	1.93	2.78	3.23	3.92	3.63	3.72	3.09	3.72	3.32	2.30	2.05	34.49

Record to January 31, 1905 by Dr. Frederick Brendel; Since by Weather Bureau.

NUMBER OF DAYS WITH PRECIPITATION, PEORIA

MONTH	WITH RAIN OR SNOW									WITH SNOW			
	1905 to 1923 Average number of days with					1856 to 1923				1905 to 1923			
	Trace only	.01 inch or more	.04 or more	.25 or more	1.00 or more	Greatest .01 or more	Year	Least with .01	Year	Av. No. with trace only	Av. No. with 0.1 or more	Greatest with 0.1 or more	Least with 0.1 or more
Jan.	7	9x	6x	3x	*	14	1916	3	1911	6	5	11	2
Feb.	6	8	6	2	*	15	1881	1	1877	5	4	8	1
March	4	10	8	3	*	19	1921	3†	1860	3	4	10	0
April	4	12	10	5	1	17	1910	3	1870	1	1	4	0
May	3	12	10	5	1	18	†1892	4†	1864	*	*	1	0
June	5	9	7	4	1	16	†1882	4†	1922	...	...	...	...
July	3	9	7	4	1	18	1865	1	1886	...	...	...	...
Aug.	3	9	7	3	1	14	†1907	3	S'v'l.	...	...	...	...
Sept.	2	9	7	5	1	20	1911	2	1897	...	...	...	...
Oct.	3	8	7	3	*	14	1881	1	97,04	1	*	4	0
Nov.	4	8	6	3	1	14	1913	1	1904	2	1	3	0
Dec.	6	9	6	2	*	14	1884	2	1890	4	4	9	0
Year	50	113x	85x	43x	8	...	...	...	...	22	19	...	...

*Less than ½. †On other dates also.

NOTE—Numbers in columns marked **x**, include the numbers given in tne next columns to the right; A day with 0.25 inch is also counted in the .01 and .04 colunms, etc.

HEAVY RAINS AT PEORIA

Classified Number of Heavy Rains in 43 Years

Amounts within 24 hours or less. (1856-1860 and 1886-1923)

Depth inches	J	F	M	A	M	J	J	A	S	O	N	D	Tot	Ave.
1 to 2.......	8	10	22	29	45	28	37	31	44	17	22	13	306	7.1
2 to 3.......	3	2	7	5	5	4	10	10	4	1	1	1	53	1.2
3 to 4.......	0	0	0	0	0	1	1	1	3	0	0	0	6	0.1
Over 4......	0	0	0	0	1	2	1	0	0	0	0	0	4	0.1
Total...	11	12	29	34	51	35	49	42	51	18	23	14	369	8.5

HEAVIEST RAINFALL IN SHORT PERIODS

	1905-1923						43 years	
Months	5 min.	10 min.	15 min.	30 min.	1 hour	2 hours	24 hours	Date
January.........						.59	2.90	2- 3 1897
February........	.08	.14	.17	.26	.37	.48	2.89	10 1887
March..........	.28	.40	.50	.58	.78	1.13	2.89	28 1859
April...........	.36	.63	.82	1.33	1.57	1.76	2.69	19–20 1905
May............	.42	.70	.83	1.08	1.37	2.25	4.86	28–29 1915
June...........	.48	.79	1.02	1.38	1.52	2.05	4.74	24 1911
July............	.43	.75	1.04	1.36	1.58	1.69	4.09	17 1895
August..........	.47	.67	.89	1.41	1.80	2.15	3.73	10–11 1916
September.......	.43	.70	.98	1.56	2.24	3.18	3.63	21 1888
October.........	.31	.60	.80	.83	.87	1.13	2.02	12–13 1890
November.......	.28	.41	.52	.81	1.07	1.17	3.00	27 1858
December.......	.17	.20	.25	.42	.54	.66	2.60	18–19 1895

NOTABLE DOWNPOURS AND DATES

Time	Amt.	Date	Time	Amt.	Date
1 min.	0.12	Sept. 6, 1911	30 min.	1.56	Sept. 10, 1911
3 min.	0.27	Sept. 6, 1911		*2.05	July 25, 1893
5 min.	0.48	June 24, 1907	1 hour	2.24	Sept. 10, 1911
10 min.	0.79	June 24, 1907		*2.15	July 19, 1889
10 min.	*0.84	May 28, 1888		*2.80	June 7, 1889
15 min.	1.04	July 10, 1912	2 hours	3.18	Sept. 10, 1911

*Recorded by Co-operative Observer.

3.10 inches fell during night A.M. to 7:10 A.M., Sept. 21, 1888.

4.02 fell between 6.09 A.M. and 11:00 P.M., July 17, 1895.

10 to 14 inches in and near northern Peoria May 26, 1922. See page 2, Annual, 1922.

RAINY PERIODS

Dates	Inches	Days	Rate per day	Mo. or Year	Total
Sept. 6–11, 1911	5.91	6	0.98	Sept. 1911	12.30
6–13, 1911	7.02	8	0.89	May 1915	11.49
Sept. 4–Oct. 29, 1915	13.77	28	0.49	June 1882	11.18
May 25–29, 1915	7.15	5	1.43	May 1858	10.64
13–29, 1915	10.66	17	0.66	Year 1858	53.26
2–20, 1915	11.48	28	0.41	1902	49.32
Apr. 29-June 10, 1858	15.70	41	0.38	1862	48.33

DRY PERIODS

Dates	Amt.	Days	Rate per Day	Month	Total
May 29–July 26, 1910	2.11	59	0.04	July 1913	0.46
June 1–Aug. 31 1910	4.69	92	0.05	June 1863	0.45
June 1–Aug. 31 1893	4.74	92	0.05	Aug. 1893	0.44
Apr. 1–July 31, 1870	3.50	122	0.03	Sept. 1867	0.60
1870, 1910, 1914, each less than 25.00 inches				Oct. 1897	0.04

HOURLY PRECIPITATION AT PEORI
Percent of the Possible Tir
IN THE HC

MONTH	Rainfall Amounts Per Hour	A. M.							
		1	2	3	4	5	6	7	8
APRIL:	Trace	3.7	3.3	4.6	5.1	6.0	7.2	6.5	10.7
	.01	0.7	3.5	2.6	2.8	3.3	2.3	4.2	1.8
	.02	1.6	1.4	0.9	1.8	1.2	1.2	1.8	1.2
	.03 to .05	2.5	2.6	2.1	1.9	2.6	2.6	1.8	1.4
	.06 to .10	2.1	0.7	1.4	0.9	0.7	1.8	1.9	1.4
	.11 to .20	1.2	1.8	1.2	0.9	0.9	0.4	0.7	0.7
	.21 to .30	0.5	0.5	0.5	0.4	0.2	0.7	0.5	....
	.31 to .50	0.4	....	0.4	0.4	0.2	0.2	....	0.2
**Total	above trace	9.0	10.5	9.1	9.0	9.1	9.1	11.1	6.7
MAY:	With Trace	2.6	3.4	2.2	3.0	3.7	3.9	6.1	8.7
	.01	2.4	1.9	2.7	1.0	1.9	2.4	3.7	2.0
	.02	1.2	1.9	0.9	1.0	1.7	0.5	1.0	1.4
	.03 to .05	1.9	1.2	1.9	1.9	1.7	2.6	1.2	2.4
	.06 to .10	0.9	1.2	1.9	1.2	1.9	2.6	2.0	1.5
	.11 to .20	1.2	1.0	0.5	1.5	2.0	1.2	1.5	1.0
	.21 to .30	0.5	0.2	0.2	0.4	....	0.5	0.2	0.2
	.31 to .50	0.4	0.2	0.4	0.4	....	0.2	0.4	....
**Total	above trace	8.3	7.6	8.5	7.3	9.3	9.8	10.0	8.5
JUNE:	Trace	1.6	2.1	1.8	2.1	3.2	3.0	4.2	5.1
	.01	1.8	1.6	1.4	1.6	0.7	1.8	2.1	1.1
	.02	0.7	1.6	0.4	0.7	1.2	....	0.9	0.9
	.03 to .05	1.1	0.2	1.6	1.1	1.4	1.9	1.1	1.4
	.06 to .10	0.2	0.2	0.4	0.9	1.1	0.7	0.4	0.7
	.11 to .20	....	0.7	0.5	....	0.2	0.5	1.2	0.7
	.21 to .30	1.1	0.7	0.2	....	0.5	0.7	0.5	....
	.31 to .50	....	....	0.2	....	....	....	....	0.2
**Total	above trace	5.1	4.9	4.9	4.6	5.3	5.8	6.1	4.9
JULY:	With Trace	1.5	1.7	1.4	2.6	2.4	2.9	2.4	2.9
	.01	0.7	1.2	1.5	1.4	1.4	1.9	2.4	1.9
	.02	0.2	0.4	0.7	0.9	0.9	0.9	0.5	0.4
	.03 to .05	0.7	0.4	0.5	0.9	1.5	1.2	1.5	1.4
	.06 to .10	0.4	0.4	0.2	0.7	0.9	1.2	0.5	0.7
	.11 to .20	0.9	0.4	0.5	0.2	0.2	0.4	0.5	0.5
	.21 to .30	0.4	0.9	0.5	0.4	0.4	0.4	0.4	....
	.31 to .50	....	....	0.4	0.2	0.4	0.2	0.7	0.5
**Total	above trace	3.2	3.6	4.1	4.4	5.8	6.1	6.4	5.3
AUGUST:	With trace	0.5	0.7	1.4	2.4	2.0	2.2	4.8	4.1
	.01	0.9	0.5	1.0	0.4	2.0	1.4	1.5	1.2
	.02	....	0.5	0.5	0.4	0.7	0.7	0.2	0.4
	.03 to .05	0.4	1.0	1.2	1.7	0.4	1.4	0.9	1.2
	.06 to .10	1.4	0.4	1.2	0.4	1.2	0.9	1.0	0.7
	.11 to .20	0.2	0.2	0.4	0.2	0.4	0.2	0.4	0.2
	.21 to .30	0.5	0.2	0.2	0.2	....	0.5	0.2	....
	.31 to .50	....	0.7	0.2	0.5	....	0.4	....	....
**Total	above trace	3.6	3.6	4.6	3.6	4.6	5.3	4.2	3.7
SEPTEMBER:	With tracc	0.4	0.7	0.9	3.2	2.5	3.7	5.4	5.8
	.01	1.4	1.1	1.4	1.9	1.8	2.8	1.8	1.6
	.02	0.7	1.1	1.4	0.2	0.9	0.4	0.7	0.5
	.03 to .05	0.9	1.9	0.9	1.6	1.4	2.1	1.6	1.8
	.06 to .10	0.9	1.4	0.9	1.1	1.6	1.1	1.1	1.1
	.11 to .20	1.4	1.2	1.2	1.1	1.2	0.9	1.2	0.9
	.21 to .30	0.9	0.4	0.4	0.5	0.5	0.2	0.2	0.2
	.31 to .50	....	0.2	0.4	0.2	....	....	....	....
**Total	above trace	6.8	7.5	6.8	6.5	7.5	7.4	6.7	6.1
OCTOBER:	With trace	2.2	1.9	2.2	1.9	3.0	3.9	5.8	7.0
	.01	1.2	1.2	2.0	2.6	2.7	2.9	2.2	1.4
	.02	1.2	1.0	1.2	1.4	0.7	1.7	1.4	1.0
	.03 to .05	1.2	1.7	0.9	1.2	1.2	1.4	1.2	1.7
	.06 to .10	1.4	1.4	1.2	0.9	1.2	1.2	1.0	1.4
	.11 to .20	0.5	0.5	0.9	1.2	0.7	0.4	0.9	0.2
	.21 to .30	0.4	0.4	0.7	0.2	....	0.2	....	....
	.30 to .50	0.2	....	....	0.2	0.4	....	0.2	....
**Total	above trace	6.3	6.4	7.1	7.5	6.8	7.6	6.8	5.6

**Rains of over .50 inch pcr hour not tabulated but are included in last li

L., APRIL TO OCTOBER, 1905 TO 1923.
hat Rain Actually Occurred.
ENDING AT:

			P. M.												
10	11	N	1	2	3	4	5	6	7	8	9	10	11	M	Av.
7.5	8.8	9.1	7.4	6.7	9.1	7.5	8.1	5.6	6.1	7.0	5.8	7.2	6.1	4.2	7.0
3.0	1.9	1.4	1.8	3.2	2.1	3.2	2.5	3.5	3.0	2.3	3.3	2.8	3.2	2.6	2.5
0.9	1.4	0.9	1.1	1.4	1.2	1.6	1.1	1.4	1.6	1.2	1.4	1.8	0.9	1.8	1.4
1.6	2.3	1.8	1.4	1.8	2.3	2.1	1.9	2.8	3.2	1.8	1.1	1.6	1.8	3.0	2.1
1.1	1.1	1.2	2.1	0.9	1.2	2.1	1.4	1.4	1.4	1.2	1.8	0.7	1.1	1.2	1.3
0.9	1.1	1.6	1.1	0.9	0.5	0.7	0.5	0.2	0.4	0.7	1.6	0.9	0.5	0.9	0.8
0.2	0.2	0.2	0.2	0.2	0.2	0.4	....	0.2	0.2	0.4	...	0.4	0.4	0.4	0.3
0.2	0.2	....	....	0.4	0.5	0.4	0.4	....	0.2	....	0.4	....	....	....	0.2
7.7	8.1	7.0	7.5	8.8	8.1	10.4	7.7	9.6	9.8	8.1	9.5	8.1	7.9	9.8	8.8
5.9	5.6	6.1	6.6	6.6	5.3	7.0	7.5	7.5	5.6	6.8	5.3	4.8	3.0	2.9	5.3
2.2	0.7	1.7	0.9	1.5	1.2	1.5	2.0	1.9	2.9	2.7	2.7	2.2	2.2	2.0	2.0
0.2	0.9	0.9	0.7	0.5	2.0	0.9	0.4	0.7	0.9	0.7	1.2	1.2	0.7	1.2	1.0
1.2	1.2	1.0	1.2	1.0	1.7	1.4	1.9	1.5	0.7	1.2	1.7	1.2	1.4	1.4	1.5
1.5	0.2	0.9	0.7	1.0	0.4	0.9	1.2	0.7	1.7	1.4	1.0	....	0.7	1.9	1.2
0.2	0.9	0.9	0.7	1.0	0.9	0.4	0.9	0.5	1.2	0.9	0.7	1.2	0.9	1.2	0.9
0.5	....	0.2	0.4	....	0.2	0.2	0.2	0.4	0.2	....	0.2	....	0.4	....	0.2
0.2	0.2	0.4	0.4	0.2	0.2	0.2	....	0.7	0.2	....	0.2	0.4	....	0.2	0.2
5.9	4.2	5.8	4.8	5.3	6.6	5.4	6.4	6.4	7.8	7.1	7.8	6.3	6.6	8.0	7.1
4.4	4.0	5.1	6.1	4.9	2.8	5.4	4.6	4.0	4.2	3.7	2.8	2.8	2.8	2.8	3.7
.9	0.7	1.1	1.6	1.4	1.4	1.8	0.7	1.4	1.4	0.5	1.9	1.4	0.9	1.4	1.3
.7	0.5	0.7	0.6	0.4	1.1	0.4	0.2	0.9	0.7	0.7	0.7	0.7	0.2	0.2	0.6
1.1	0.5	1.1	0.4	0.5	1.6	0.2	0.9	1.1	0.9	0.7	0.5	1.2	0.7	1.4	1.0
.7	0.5	0.5	....	0.9	0.4	0.4	1.1	0.4	0.2	0.4	0.2	0.2	0.7	0.7	0.5
.9	1.2	0.4	0.5	0.7	0.7	0.7	0.5	0.9	0.4	0.5	0.2	0.2	1.1	0.5	0.6
.2	0.2	....	0.4	0.2	0.2	0.2	0.4	0.7	0.4	0.2	....	0.5	0.2	0.5	0.3
...	....	0.2	....	....	....	0.4	....	....	....	....	....	0.2	....	0.4	0.1
.7	3.9	4.0	4.0	4.2	5.3	4.2	4.2	5.3	4.2	3.0	3.5	4.4	4.0	5.4	4.6
.2	3.4	3.7	5.6	2.9	2.2	2.0	2.9	3.2	3.6	4.4	2.7	2.4	1.9	1.4	2.8
.2	1.4	0.9	0.7	1.7	1.5	0.9	0.7	2.0	1.9	0.7	0.7	0.7	0.7	1.0	1.2
.4	0.5	0.2	0.5	0.4	0.5	0.2	1.0	0.2	0.4	0.4	0.5	0.5	0.4	0.9	0.5
.7	0.2	1.0	0.5	0.4	0.4	0.9	0.5	0.7	0.4	0.9	0.5	1.2	1.2	0.7	0.8
.4	0.7	0.4	0.7	0.5	0.5	0.7	0.5	0.7	0.7	0.7	0.2	0.2	0.7	0.5	0.6
.4	0.2	....	0.2	0.5	0.4	0.9	0.4	0.2	0.5	0.5	1.0	0.5	0.7	0.7	0.4
.2	0.2	....	0.2	0.2	....	0.4	0.5	0.4	0.5	0.5	0.4	0.4	0.2	0.4	0.3
...	0.2	....	0.2	0.2	0.4	0.2	0.5	0.4	....	0.2	0.2	0.5	0.2	0.5	0.2
.0	3.2	2.6	3.0	3.9	3.6	3.9	5.1	4.6	4.6	3.9	3.6	3.9	4.2	4.6	4.1
.6	2.9	4.2	3.6	4.2	4.9	3.4	4.4	2.7	4.2	3.6	2.0	1.5	1.4	1.0	2.8
.2	0.5	1.0	1.5	0.7	0.7	0.9	1.5	0.9	1.7	1.4	0.9	0.5	0.9	1.2	1.0
.4	0.9	0.4	0.5	0.9	0.5	0.4	0.4	0.7	....	0.2	0.4	0.4	0.2	....	0.4
.0	1.0	0.9	1.0	0.9	0.9	0.9	0.9	1.0	0.5	0.5	0.5	1.2	0.4	0.2	0.8
.5	0.5	0.5	0.4	0.5	0.4	0.7	1.0	0.5	0.4	0.5	0.2	0.4	0.2	0.2	0.6
.4	0.2	0.2	0.5	0.5	0.5	0.5	0.4	0.4	0.7	0.4	0.4	0.4	0.5	0.7	0.4
.2	0.4	....	0.5	....	0.2	0.4	0.4	0.2	0.5	....	....	0.2	....	0.5	0.2
..	0.2	....	....	0.4	0.4	....	....	0.4	0.4	....	0.2	....	0.4	....	0.1
.6	3.7	3.0	4.2	3.9	3.8	3.6	4.6	3.9	4.1	3.0	2.6	2.0	2.7	3.4	3.7
.1	5.3	3.3	4.0	3.0	4.4	5.1	3.5	4.4	3.2	3.9	3.3	3.2	2.3	1.6	3.5
.6	1.2	2.5	1.9	2.1	1.1	1.1	1.2	2.1	1.8	0.7	1.8	1.4	1.4	1.9	1.6
.4	1.1	1.1	0.9	0.4	0.9	0.4	0.7	0.2	1.2	0.5	0.7	0.5	0.4	0.7	0.7
.3	1.2	1.4	1.1	1.4	1.1	1.8	1.2	0.7	0.5	1.2	1.2	....	1.2	0.9	1.4
.7	1.1	1.4	0.9	0.2	0.2	0.5	0.5	0.4	0.9	0.9	0.2	0.7	0.9	1.1	0.8
.7	0.7	0.4	0.4	0.4	0.7	0.5	1.1	0.7	0.5	0.5	0.7	0.9	0.9	1.1	0.8
.4	....	0.2	0.2	....	0.2	0.2	0.4	0.2	0.2	0.7	0.5	0.5	0.4	0.9	0.3
..	0.2	0.2	....	0.2	....	0.4	0.2	0.4	0.2	0.4	0.2	0.4	0.2	0.4	0.2
.0	5.6	7.4	5.3	4.6	4.0	4.7	5.1	5.3	5.4	5.1	5.6	4.6	5.3	6.8	5.9
.6	5.4	5.9	5.3	6.1	5.1	5.9	6.6	4.4	4.6	6.3	5.4	4.1	4.4	3.4	4.8
.4	2.4	1.0	2.0	0.9	2.4	1.5	1.5	2.0	2.9	1.9	2.2	2.2	1.9	1.0	1.9
.2	0.2	0.5	0.9	0.9	0.9	1.2	1.5	1.2	1.4	1.2	0.9	0.5	0.5	0.9	1.0
.2	1.4	1.0	0.4	1.2	1.9	1.4	1.2	2.0	1.5	0.7	1.0	1.9	0.9	1.5	1.3
.9	1.0	1.5	0.7	0.5	0.5	0.7	1.0	1.4	0.5	0.9	0.7	0.7	1.5	1.2	1.0
.4	0.4	....	0.4	0.2	0.2	0.7	0.2	0.4	....	0.4	0.7	0.4	0.5	0.9	0.4
..	....	....	....	0.2	0.4	....	0.4	....	....	0.4	....	....	....	0.5	0.1
..	0.2	....	....	....	0.2	....	....	....	....	....	0.2	0.2	0.2	....	0.1
.1	5.3	4.1	4.2	3.9	6.4	5.4	5.9	6.6	6.3	5.3	5.6	5.8	5.4	5.9	5.9

each month.

SUMMARY—PERCENT OF HOURS WITH RAIN, 19 YEARS, SELECTED DEPTHS.

		A. M.											HOURS	P. M.												
	MONTH	1	2	3	4	5	6	7	8	9	10	11	N	1	2	3	4	5	6	7	8	9	10	11	M	Av.
TRACE	April	3.7	3.3	4.6	5.1	6.0	7.2	6.5	10.7	8.2	7.5	8.8	9.1	7.4	6.7	9.1	7.5	8.1	5.6	6.1	7.0	5.8	7.2	6.1	4.2	7.0
	May	2.6	3.4	2.2	3.0	3.7	3.9	6.1	8.7	7.3	5.9	5.6	6.1	6.6	6.6	5.3	7.0	7.5	7.5	5.6	6.8	5.3	4.8	3.0	2.9	5.3
	June	1.6	2.1	1.8	2.1	3.2	3.0	4.2	5.1	4.6	4.4	4.0	5.1	6.1	4.9	2.8	5.4	4.6	4.0	4.2	3.7	2.8	2.8	2.8	2.8	3.7
	July	1.5	1.7	1.4	2.6	2.4	2.9	2.4	2.9	4.1	3.2	3.4	3.7	5.6	2.9	2.2	2.0	2.9	3.2	3.6	4.4	2.7	2.4	1.9	1.4	2.8
	August	0.5	0.7	1.4	2.4	2.0	2.2	4.8	4.1	2.7	3.6	2.9	4.2	3.6	4.2	4.9	3.4	4.4	2.7	4.2	3.6	2.0	1.5	1.4	1.0	2.8
	September	0.4	0.7	0.9	3.2	2.5	3.7	5.4	5.8	5.6	5.1	5.3	3.3	4.0	3.0	4.4	5.1	3.5	4.4	3.2	3.9	3.3	3.2	2.3	1.6	3.5
	October	2.2	1.9	2.2	1.9	3.0	3.9	5.8	7.0	4.9	6.6	5.4	5.9	5.3	6.1	5.1	5.9	6.6	4.4	4.6	6.3	5.4	4.1	4.4	3.4	4.8
	Smoothed Average	2.5	2.2	2.4	2.8	3.6	4.3	4.8	5.1	5.4	5.4	5.3	5.2	5.1	5.1	5.2	4.9	4.9	4.9	4.6	4.4	4.1	3.5	3.0	2.6	4.3
.01	April	0.7	3.5	2.6	2.8	3.3	2.3	4.2	1.8	2.6	3.0	1.9	1.4	1.8	3.2	2.1	3.2	2.5	3.5	3.0	2.3	3.3	2.8	3.2	2.6	2.5
	May	2.4	1.9	2.7	1.0	1.9	2.4	3.7	2.0	1.9	2.2	0.7	1.7	0.9	1.5	1.2	1.5	2.0	1.9	2.9	2.7	2.7	2.2	2.7	2.0	2.0
	June	1.8	1.6	1.4	1.6	0.7	1.8	2.1	1.1	0.5	0.9	0.7	1.1	1.6	1.4	1.4	1.8	0.7	1.4	1.4	0.5	1.9	1.4	0.9	1.4	1.3
	July	0.7	1.2	1.5	1.4	1.4	1.9	2.4	1.9	0.9	1.2	1.4	0.9	0.7	1.7	1.5	0.9	0.7	2.0	1.9	0.7	0.7	0.7	0.7	1.0	1.2
	August	0.9	0.5	1.0	0.4	2.0	1.4	1.5	1.2	1.0	0.2	0.5	1.0	1.2	0.7	0.7	0.9	1.5	0.9	1.7	1.4	0.9	0.5	0.9	1.2	1.0
	September	1.4	1.1	1.4	1.9	1.8	2.8	1.8	1.6	0.9	1.6	1.2	2.5	1.9	2.1	1.1	1.1	1.2	2.1	1.8	0.7	1.8	1.4	1.4	1.9	1.6
	October	1.2	1.2	2.0	2.6	2.7	2.9	2.2	1.4	1.9	1.4	2.4	1.0	2.0	0.9	2.4	1.5	1.5	2.0	2.9	1.9	2.2	2.2	1.9	1.0	1.9
	Smoothed Average	1.6	1.6	1.7	1.9	2.0	2.0	1.9	1.8	1.7	1.4	1.4	1.4	1.4	1.5	1.5	1.6	1.7	1.7	1.8	1.8	1.8	1.6	1.6	1.5	1.6
.03 to .05	April	2.5	2.6	2.1	1.9	2.6	2.6	1.8	1.4	1.6	1.6	2.3	1.8	1.4	1.8	2.3	2.1	1.9	2.8	3.2	1.8	1.1	1.6	1.8	3.0	2.1
	May	1.9	1.2	1.9	1.9	1.7	2.6	1.2	2.4	2.2	1.2	1.2	1.0	1.2	1.0	1.7	1.4	1.9	1.5	0.7	1.2	1.7	1.2	1.4	1.4	1.5
	June	1.1	0.2	1.6	1.1	1.4	1.9	1.1	1.4	1.1	1.1	0.5	1.1	0.4	0.5	1.6	0.2	0.9	1.1	0.9	0.7	0.5	1.2	0.7	1.4	1.0
	July	0.7	0.4	0.5	0.9	1.5	1.2	1.5	1.4	0.7	0.7	0.2	1.0	0.5	0.4	0.4	0.9	0.5	0.7	0.4	0.9	0.5	1.2	1.2	0.7	0.8
	August	0.4	1.0	1.2	1.7	0.4	1.4	0.9	1.2	1.0	1.0	1.0	0.9	1.0	0.9	0.9	0.9	0.9	1.0	0.5	0.5	0.5	1.2	0.4	0.2	0.8
	September	0.9	1.9	0.9	1.6	1.4	2.1	1.6	1.8	1.8	2.3	1.2	1.4	1.1	1.4	1.1	1.8	1.2	0.7	0.5	1.2	1.2	0.0	1.2	0.9	1.4
	October	1.2	1.7	0.9	1.2	1.2	1.4	1.2	1.7	1.5	1.2	1.4	1.0	0.4	1.2	1.9	1.4	1.2	2.0	1.5	0.7	1.0	1.9	0.9	1.5	1.3
	Average	1.2	1.3	1.3	1.5	1.5	1.9	1.3	1.6	1.4	1.3	1.1	1.2	0.9	1.0	1.4	1.2	1.2	1.4	1.1	1.0	0.9	1.2	1.1	1.3	1.3
.31 to .50	April	0.4	....	0.4	0.4	0.2	0.2	....	02.	....	0.2	0.2	....	....	0.4	0.5	0.4	0.4	....	0.2	....	0.4	....	....	....	0.2
	May	0.4	0.2	0.4	0.4	....	0.2	0.4	....	....	0.2	0.2	0.4	0.4	0.2	0.2	0.2	....	0.7	0.2	....	0.2	0.4	....	0.2	0.2
	June	....	....	0.2	....	....	....	....	0.2	....	....	....	0.2	....	....	....	0.4	....	....	....	....	....	0.2	....	0.4	0.1
	July	....	....	0.4	0.2	0.4	0.2	0.7	0.5	....	....	0.2	....	0.2	0.2	0.4	0.2	0.5	0.4	....	0.2	0.2	0.5	0.2	0.5	0.25
	August	....	0.7	0.2	0.5	....	0.4	....	....	....	....	0.2	....	....	0.4	0.4	....	....	0.4	0.4	....	0.2	....	0.4	....	0.1
	September	....	0.2	0.4	0.2	....	....	....	....	....	....	0.2	0.2	....	0.2	....	0.4	0.2	0.4	0.2	0.4	0.2	0.4	0.2	0.4	0.2
	October	0.2	....	....	0.2	0.4	....	0.2	....	....	....	0.2	....	....	....	0.2	....	....	....	....	....	0.2	0.2	0.2	....	0.1
	Average	0.1	0.2	0.3	0.3	0.1	0.1	0.2	0.1	....	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.1	0.1	0.2	0.2	0.1	0.2	0.2

CONDENSED SUMMARY BY MONTHS, APRIL TO OCTOBER, 19 YEARS, PERCENT OF HOURS HAVING RAIN.

Month	T	.01	.02	.03 to .05	.06 to .10	.11 to .20	.21 to .30	.31 to .50	Total % with ** .01 or more
April	7.0	2.5	1.4	2.1	1.3	0.8	0.3	0.2	8.8
May	5.3	2.0	1.0	1.5	1.2	0.9	0.2	0.2	7.1
June	3.7	1.3	0.6	1.0	0.5	0.6	0.3	0.1	4.6
July	2.8	1.2	0.5	0.8	0.6	0.4	0.3	0.2	4.1
August	2.8	1.0	0.4	0.8	0.6	0.4	0.2	0.1	3.7
Sept'r.	3.5	1.6	0.7	1.4	0.8	0.8	0.3	0.2	5.9
October	4.8	1.9	1.0	1.3	1.0	0.4	0.1	0.1	5.9
Ave.	4.3	1.6	0.8	1.3	0.9	0.6	0.2	0.2	5.7

**Rains of over .50 inch per hour are not tabulated, but are included in last column of this table.

Monthly and Annual River Stages.

1867–1923.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul.	Aug	S'pt	oct	Nov	Dec	an'l
1867	6.2	11.8	14 7	13.4	11.2	11.0	5.1	1.1	0.7	0.6	0.9	1.0	6.5
1868	0.7	1.3	9 3	9 5	12.6	8.9	2.9	0.9	1.1	1.5	2.9	3.4	4.6
1869	5.4	8.9	8.2	13.5	11.6	13.7	18.1	12.2	6.6	2.4	1.9	7.7	9.2
1870	9.9	8.8	11.0	13.2	5.6	1.8	1.3	1.0	0.7	1.0	2.0	1.7	4.8
1871	3.2	7 3	14.7	9.2	4.6	2.5	1.6	1.0	0.4	....	....	....	...
1872	...	....	....	....		...	....	....	....	....	....	....	....
1873	....	....	....	..		5.6	2.8	....	....	....	....	6.5	...
1874	7.5	12.0	11.4	7.0	5.7	2.9	2.7	0.1	0.2	0.2	0.5	0.4	4.2
1875	0.1	....	....	9.4	4.1	3.1	....	....	....	....	....	....	....
1876	7.7	11.1	13.6	14.5	10.3	9.9	11.6	4.7	3.9	2.6	4.3	....	....
1877	...	6.4	....	13.1	9.2	5.4	6.3	1.6	0.9	2.2	6.9	....	....
1878	....	....	....	.	...	....	....	...	....	....	....	....	....
1879	....	....	..	....	....	....	....	....	....	....	....	....	....
1880	....	....	....	....	....	....	....	....	....	....	....	....	....
1881	....	....	....	....	....	....	....	....	...	....	....	....	....
1882	....	....	....	....	12.5	13.7	10.4	5.9	4.8	4.3	4.8	...	....
1883	....	....	.	....	....	....	....	....	....	....	....	....	....
1884	....	....	13.9	....	....	6.1	6.1	4.2	3.8	7.2	5.5	6.5	....
1885	13.7	7.8	11.7	14.0	9.7	6.3	4.6	5.5	6.4	7.1	10.2	8.5	8.8
1886	12 3	12.7	13.4	12.7	12.4	7.6	3.7	3.2	3.6	4.2	4.0	0.5	7.5
1887	0.8	17.4	12.8	7.2	4.2	3.6	3.2	3.0	2.9	3.3	3.1	4.1	5.5
1888	5.0	6.7	13.0	10.7	7.2	9 3	6.5	4.4	3.2	....	....	....	....
1889	....	....	....	6.1	4.4	8.6	7.8	4.8	3.8	3.4	4.2	5.7	....
1890	9.5	8.2	7.6	12.0	10.0	11.2	6.9	3.1	3.4	3.9	4.1	4.0	7.0
1891	4.3	4.7	8.3	13.1	8.6	6.7	3.6	3.4	3.1	2.9	3.8	5.4	5.7
1892	3.1	5.7	7.9	12.2	18.0	16.1	13.9	6.6	4.4	4.2	4.3	4.0	8.4
1893	4.6	8.6	16.3	13.4	14.7	10.6	5.2	3.3	3.3	3.9	3.9	4.4	7.7
1894	5.3	5.8	9.9	7.9	8.1	5.8	8.8	3.3	5.1	4.1	4.2	4.6	5.6
1895	3.6	4 1	6.9	6.4	4.5	3.5	4.6	3.9	4.4	3.7	4.2	7.8	4.8
1896	10.7	9.3	10 2	7.4	7.3	7.3	5.2	8.0	5.3	7.1	7.1	6.8	7.7
1897	15.9	11.7	15.6	13.5	9.2	6.7	6.5	4.0	3.9	3.7	4.2	4.2	8.2
1898	5.4	10.2	14.9	14.4	11.1	10.5	5.5	4.7	5.3	5.5	8.4	7.1	8.6
1899	8.7	6 9	13.8	11.5	7.5	6.8	4.9	3.8	3.9	3.9	4.7	5.3	6.8
Av to 1900	**6.5**	**8.5**	**11.8**	**11.1**	**9.0**	**7.6**	**6.0**	**3.9**	**3.4**	**3.6**	**4.4**	**4.7**	**6.8**
**1900	8.2	10.4	15.7	14.3	9.3	7.9	6.7	7.5	6.7	6.6	7.4	8.7	9.0
1901	8.5	8.4	13.8	14.3	8.6	6.6	9.2	5.3	6.1	6.1	6.4	6.8	8.9
1902	7.1	7.4	10.9	10.5	9.9	14.6	19.4	14.1	10.1	13.6	13.1	12.8	12.0
1903	13.0	15.4	17.6	16.4	12.3	11.8	8.9	8.7	10.5	11.0	9.3	9.0	12.0
1904	11.8	15.2	18.6	18.6	13.2	9.3	8.1	8.3	7.8	8.3	7.9	7.6	11.2
1905	9.5	9.6	14.0	13.2	15.3	13.7	9.7	8.3	9.2	8.0	7.9	8.3	10.6
1906	10.4	13.5	15.0	14.8	10.8	8.7	7.1	7.4	8.0	8.4	8.6	11.7	10.4
1907	15.7	15.1	13.8	14.1	13.1	13.6	13.8	12.8	11.9	12.6	10.3	11.1	13.2
1908	14.2	14.3	19.6	15.7	18.8	15.4	10.9	9.0	7.9	7.8	8.0	8.6	12.5
1909	9.0	11.1	14.8	14.7	15.8	13.9	12.4	10.6	9.7	9.2	11.1	13.9	12.2
1910	14.4	15.4	16.0	12.9	14.5	13.0	9.8	8.5	9.1	9.2	8.7	8.3	11.6
1911	10.9	13.3	12.6	12.1	11.7	10.2	9.2	9.1	10.5	14.4	14.2	14.7	11.9
1912	13.5	11.7	14.6	18.0	16.6	12.9	10.9	11.1	10.5	10.5	12.2	11.3	12.8
1913	11.7	14.1	16.3	20.0	14.2	11.0	10.9	10.1	9.8	9.8	9.9	10.4	12.6
1914	10.0	10.8	12.1	14.4	13.7	12.3	9.9	9.1	9.9	9.8	9.5	9.5	10.9
1915	16.6	14.4	13.1	10.5	10.2	13.2	13.4	16.2	13.8	13.0	10.9	11.2	12.5
1916	16.6	18 6	14.1	16.3	14.1	16.3	13.9	11.2	10.0	16.1	11.0	11.5	14.0
1917	12.7	12.8	13.5	14.5	12.8	15.7	13.2	11.4	10.8	10.6	11.3	11.1	12.5
1918	11.8	15.3	17.1	13.4	13.4	12.6	12.1	10.9	10.3	10.0	11.4	13.1	12 6
1919	14.7	13.2	17.4	16.5	17.5	13.6	11.2	9.9	9.4	10.4	11.4	12.0	13.1
1920	11.4	11.4	16.1	19.8	18.1	13.1	10.5	9.7	9.6	9.7	10.1	10.2	12.5
1921	10.9	10.8	12.0	13.6	14.3	11.2	10.0	9.9	11.1	11.7	13.2	16.9	12.1
1922	15 0	13.3	15.8	22.8	16.5	13.5	11.0	10.0	10.0	10.2	10.6	10.6	13.3
1923	10.4	10.7	14.3	14.5	12.8	12.2	10.3	10.1	10.7	11.4	12.8	14.1	12.0
1900-- -1923	**11.7**	**12 8**	**15.0**	**15.2**	**13.6**	**12.5**	**10.8**	**10.0**	**9.7**	**10.1**	**10.3**	**11.0**	**11.9**

**Chicago drainage canal opened Jan. 1900.

Notes.

All river stages in this table refer to present elevation of gage.

Zero of river gage in 1866 marked the low water stages of 1838, 1845, and 1852.

Gage was lowered in 1867 [about 0.5 ft.] to the low water mark of 1867.

Gage was again lowered 0.5 ft in fall of 1871, to the low water stage of 1871. Gage elevation not changed since 1871.

Lowest water 0.0 ft. August 30, 1873, and other dates.

See also page 11.

Summary of Averages and Extremes, 18 to 68 Years. Peoria, Illinois.

MONTH.	¶ TEMPERATURE								
	Average of month.					Extremes one date.			
	Average 68 yrs.	Warmest	Year	Coldest	Year	Highest	Year	Lowest	Year
	a	a	a	a	a	a	a	a	a
Jan.	24.0	40	1880	10	1918	71	1909	-27	1884
Feb.	26.5	41	1882	13	1875	72	1921	-26	1905
Mar.	37.8	50	1910	28	1867	87	1907	-6	†'13
April	50.8	59	1915	38	1857	92	†'99	14	1920
May.	61.2	69	†'81	52	†'67	98	1895	28	1906
June	70.3	77	1873	65	1869	101	1887	35	1859
July	74.4	82	1901	67	1865	106	1901	46	1911
Aug.	72.6	79	1900	67	1866	105	1873	41	†'15
Sept.	65.3	72	1897	57	1867	104	1899	26	1899
Oct.	53.1	61	1900	43	1869	92	1922	14	1869
Nov.	38.8	48	1909	30	1880	80	1888	-1	1857
Dec.	28.2	44	1877	16	1876	71	1875	-22	1872
Year	50.3	55	1921	46	1875	103	1901	-27	1884

MONTH.	¶ PRECIPITATION								Humidity			Average percent Sunshine
	Rain and melted snow								average percent			
	Monthly totals					Max. in 24 hours						
	Average 68 yrs.	Greatest	Year	Least	Year	Amount	Year	Average Snowfall	7 a. m.—19 yrs.	Noon—6 yrs.	7 p. m.—19 yrs.	
	a	a	a	a	a	c	c	b	c	d	c	c
Jan.	1.78	5.95	1916	0.07	1919	2.99	1897	6.2	88	74	8	47
Feb.	1.93	5.64	1900	0.06	1877	2.89	1887	5.5	86	71	77	55
Mar.	2.78	5.84	1920	0.25	1856	2.89	1859	2.9	84	63	69	59
April	3.28	7.86	1893	0.45	1870	2.69	1905	0.7	79	62	62	59
May.	3.92	11.49	1915	0.93	1879	4.86	1915	T	78	56	61	65
June	3.63	11.18	1882	0.45	1863	4.71	1911	....	80	57	61	73
July	3.72	8.87	1860	0.46	1913	4.09	1895	....	81	51	58	76
Aug.	3.09	9.04	1862	0.44	1893	3.73	1916	....	81	55	65	71
Sept.	3.72	12.30	1911	0.60	1867	3.63	1888	....	88	56	71	66
Oct.	2.32	5.68	1877	0.04	1897	2.02	1890	T	87	57	70	62
Nov.	2.39	5.53	1909	0.07	1917	3.00	1858	0.9	86	69	73	54
Dec.	2.05	7.15	1873	0.28	1876	2.60	1895	3.6	88	76	81	47
Year	34.49	53.26	1858	23.18	1910	....	....	20.3	84	62	69	61

MONTH.	WIND					NUMBER OF DAYS												
	Average hourly vel.	Highest			Prevailing direction	Sky*					Moisture				Temp.			
						Clear									Max.		Min.	
		Velocity	Direction	Year		Average	Greatest	Least	Partly Cloudy	Cloudy	Precip. .01 or more	Snow 0.1 or more	Thunderstorms	Dense fog	32° or below	90° or above	32° or below	Zero or below
	c	c	c	c	c	c	c	c	c	c	c	c	c	c	a	a	a	a
Jan.	8.7	53	S	1906	S	10	18	4	7	14	9	6	1	2	14	0	29	4
Feb.	9.3	46	Sw	1918	NW	10	14	4	7	11	8	4	§	1	11	0	26	3
Mar.	9.6	51	Sw	1918	S	12	23	4	8	11	10	4	3	§	3	0	19	§
April	9.5	49	W	1908	S	10	19	6	10	10	12	1	5	§	§	0	7	0
May.	7.7	43	W	1907	S	12	21	4	11	8	12	0	8	§	0	1	§	0
June	6.1	38	SW	1908	S	14	22	7	11	5	9	0	10	§	0	5	0	0
July	5.1	50	W	1906	S	17	26	6	11	3	9	0	8	§	0	11	0	0
Aug.	5.0	58	N	1907	S	15	21	7	11	5	9	0	8	§	0	8	0	0
Sept.	5.4	35	N†	1907	S	14	24	5	9	7	9	0	6	§	0	3	§	0
Oct.	6.5	48	W	1905	S	15	23	5	7	9	8	0	2	1	0	§	5	0
Nov.	8.1	50	W	1905	S	11	17	4	9	10	8	1	1	1	2	0	16	0
Dec.	8.1	39	SW	1911	S	9	17	5	8	14	9	4	§	1	10	0	26	2
Year	7.3	58	N	1907	S	148	188	98	110	107	112	20	52	6	40	28	128	9

Length of record years:- a, 68; b, 35; c, 19; d, 6. ¶ records 1855-1904 by Dr. Brendel; 1905 to 1923 by U.S. Weather Bureau. * Daylight hours only. § Less than one.

† Also in one or more other years.

COMPARATIVE DATA
1905 to 1923

Monthly and Annual Station Pressure

Add 29.000 inches

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An'l.
1905		.532	.390	.278	.271	.305	.280	.331	.377	.443	.384	.453	
1906	.385	.570	.452	.372	.316	.248	.324	.334	.385	.372	.492	.495	.395
1907	.503	.473	.378	.334	.310	.262	.296	.360	.355	.464	.438	.349	.377
1908	.380	.407	.382	.289	.220	.360	.399	.368	.420	.448	.380	.419	.373
1909	.479	.259	.289	.292	.240	.330	.329	.377	.450	.426	.444	.372	.357
1910	.442	.505	.414	.234	.360	.341	.288	.354	.415	.374	.369	.460	.380
1911	.482	.481	.388	.395	.364	.296	.360	.366	.383	.411	.375	.450	.396
1912	.466	.389	.488	.310	.245	.388	.364	.302	.374	.414	.422	.354	.376
1913	.390	.430	.370	.408	.361	.394	.338	.357	.416	.362	.438	.498	.396
1914	.288	.517	.426	.362	.444	.326	.352	.344	.460	.400	.436	.528	.407
1915	.395	.384	.426	.358	.215	.313	.303	.337	.382	.402	.305	.598	.354
1916	.483	.513	.306	.316	.246	.215	.342	.364	.382	.411	.422	.338	.362
1917	.310	.435	.348	.324	.284	.324	.296	.356	.450	.354	.535	.590	.390
1918	.288	.389	.385	.338	.321	.290	.384	.330	440	.387	.387	.368	.359
1919	.430	.303	.500	.322	.278	.383	.352	.330	.370	.383	.428	.501	.382
1920	.590	.442	.247	.160	.392	.340	.352	.381	.350	.429	.474	.286	.370
1921	.480	.386	.370	.310	.368	.314	.354	.380	.329	.307	.390	.402	.366
1922	.523	.448	.370	.359	.281	.332	.364	.344	.435	.358	.438	.440	.391
1923	.391	.559	.379	.312	.270	.313	.352	.338	.406	.520	.429	.387	.388
Means	.432	.446	.385	.321	.305	.320	.338	.350	.399	.403	.420	.425	.379

COMPARATIVE DATA
1905 to 1923

Monthly and Annual Averages of Daily Maximum Temperatures.

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An'l.
1905	28.4	24.4	53.1	61.0	71.6	82.5	81.7	85.5	78.3	63.5	50.8	38.1	
1906	38.8	35.9	35.7	65.3	74.3	80.3	84.9	87.1	81.8	63.1	47.2	37.5	61.0
1907	35.5	36.9	55.1	53.1	65.8	77.8	84.0	82.5	74.9	62.4	49.0	39.5	59.7
1908	35.8	34.1	52.1	62.0	71.1	79.7	85.3	84.5	83.1	66.5	52.2	37.9	62.0
1909	34.5	41.1	45.9	59.4	70.0	81.3	81.9	89.8	75.2	60.9	57.6	26.7	60.4
1910	31.6	32.9	63.0	63.6	66.8	82.6	87.1	84.5	76.7	69.1	44.7	33.7	61.4
1911	35.7	40.2	51.2	57.5	81.3	87.6	87.1	84.0	78.1	61.3	42.1	40.2	62.2
1912	18.5	28.1	37.4	62.3	75.9	80.5	85.9	82.7	77.8	67.0	51.4	41.6	59.1
1913	36.4	33.3	45.3	62.5	74.0	85.7	90.5	90.1	78.4	61.7	55.4	41.7	62.9
1914	39.0	28.0	45.2	61.3	77.2	85.6	91.3	87.8	77.3	67.5	54.2	28.6	61.9
1915	29.1	41.6	41.8	70.1	69.1	79.0	81.2	76.7	77.7	67.9	54.2	34.1	60.2
1916	36.3	32.4	46.7	59.4	71.4	75.4	93.8	87.2	75.3	65.6	52.3	34.3	60.8
1917	33.8	30.7	50.2	56.1	66.6	77.6	86.0	81.9	74.7	53.9	51.1	27.8	57.5
1918	19.3	38.4	58.8	54.6	77.3	82.4	83.7	88.2	69.4	66.8	50.1	44.3	61.1
1919	38.1	38.9	50.3	61.0	68.0	84.7	90.5	83.0	79.9	66.6	46.9	27.9	61.3
1920	26.5	35.0	51.8	52.7	71.5	83.4	85.7	83.9	80.3	71.4	46.3	38.5	60.6
1921	39.2	41.9	58.6	64.7	76.4	87.3	91.6	83.6	80.6	66.6	47.1	39.7	64.8
1922	33.6	39.2	48.8	62.5	75.8	84.8	85.6	86.5	82.2	70.3	50.5	38.1	63.2
1923	38.3	31.0	44.3	61.2	72.3	83.2	89.6	84.7	75.3	60.6	50.3	45.6	61.4
Means	33.1	34.9	49.2	60.5	72.4	82.2	86.7	84.9	77.7	64.9	50.2	34.0	61.2

COMPARATIVE DATA
1905 to 1923

Monthly and Annual Average of Daily Minimum Temperatures

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An'l.
1905	15.2	5.9	34.7	40.0	51.5	59.9	62.4	63.2	56.8	41.1	29.1	21.5	
1906	21.7	18.2	22.9	43.2	51.6	58.3	60.3	63.8	57.6	42.5	31.8	23.6	41.3
1907	20.6	19.7	36.0	33.6	44.4	56.0	64.5	61.3	53.8	40.3	27.6	25.7	40.3
1908	17.9	20.0	32.5	40.0	52.9	59.2	63.0	60.7	55.0	41.7	31.5	20.9	41.3
1909	18.1	22.6	27.8	37.5	48.4	61.1	61.0	64.2	52.8	38.6	38.3	11.6	40.2
1910	17.0	14.6	36.6	40.3	46.0	57.1	63.6	60.0	54.0	44.2	25.8	17.1	39.7
1911	19.0	24.3	29.3	39.2	55.1	63.4	63.0	60.1	57.6	41.4	24.5	25.8	41.9
1912	3.6	13.5	19.5	40.7	52.3	56.2	63.8	62.2	56.2	42.7	32.2	23.7	38.9
1913	19.1	15.5	25.5	40.9	50.8	60.7	66.5	65.6	55.3	42.4	33.9	29.7	42.6
1914	25.4	10.6	28.5	41.1	52.9	62.7	63.2	63.0	55.1	47.0	32.5	13.0	41.5
1915	12.9	29.2	26.4	47.4	48.0	56.5	62.6	57.6	58.0	43.4	33.3	21.5	41.4
1916	18.1	16.5	28.2	40.3	51.4	56.1	68.1	64.7	51.8	42.7	32.6	16.2	40.6
1917	15.1	11.0	29.7	38.8	44.5	57.8	64.0	59.8	52.7	34.6	32.6	11.8	37.7
1918	1.5	17.4	32.3	37.1	55.5	60.5	61.9	66.8	47.1	45.7	33.7	28.9	40.7
1919	20.2	22.7	31.4	41.6	48.4	65.0	66.3	60.8	56.6	44.9	28.9	13.3	41.7
1920	10.8	20.2	31.2	35.8	50.0	60.5	61.5	60.4	56.7	49.0	30.9	23.2	40.8
1921	25.1	27.0	36.0	43.9	53.8	66.3	67.9	63.3	59.5	41.5	32.7	24.7	45.4
1922	14.0	20.6	33.5	42.5	55.5	61.6	63.8	62.5	57.0	45.6	36.0	19.6	42.7
1923	25.3	15.4	24.0	37.6	49.6	62.7	65.7	62.2	55.4	40.3	34.1	30.4	41.9
Means	16.9	18.2	29.8	40.1	50.7	60.1	64.0	62.4	55.2	42.8	31.9	21.2	41.1

INDEX

SUMMARIES OF

Principal Features,

WEATHER,. RIVER.

Peoria record covers 68 years of temperature and rainfall. Its principal features have now been worked up and published in these annual reports. They may be found as indicated below.

		In the report of,
1	Temperature:	
	Monthly, Annual, Means, 68 years,	1922.
	Cold Seasons, Warm seasons,	1922.
	Cold Waves at Peoria,	1918.
	Frost, latest, earliest, 68 years,	1922.
2	Precipitation:	
	Monthly, Annual, Totals,	1923.
	In Early Years, (1840-1877)	1922.
	Heavy Rains at Peoria, 43 years,	1923.
	Heaviest falls, Short periods,	1923.
	Hourly Rainfall, 19 years, Peoria,	1923.
	Snow:	
	Monthly, Annual, Seasonal, 39 winters,	1922.
	Snow Cover, Duration, 39 years,	1922.
3	River Stages, 50 Years:	
	Highest and Lowest, Monthly,	1922.
	Average Monthly,	1923.
	Precipitation, and Floods of the Illionis; relation of snow cover and rain to high water.	1918.

551.5
Un3ape
1924

U.S. Department of Agriculture
WEATHER BUREAU
CHARLES F. MARVIN, Chief

JAN
UNIVERSITY OF ILLINOIS

Annual Summary

PEORIA, ILL; 1924

COMPARATIVE DATA
69 Years

Prepared under the direction of
M.L. Fuller
METEOROLOGIST

Published by
U.S. Weather Bureau
Peoria Illinois

NOTES

1924 had several notable weather events in this vicinity. In general it was cool in summer and warm in autumn, with a cold January and December. Spring and autumn were dry; midsummer very wet. Rainfall in the eight weeks beginning June 22nd was half that ordinarily received in a year. A freezing rain in February caused estimated damage of 200, 000 dollars. A thunder shower March 29 left a deposit of reddish clay, doubtless picked up as dust by strong winds in the southwest plains or foothills. June brought a number of violent thunderstorms. That on the 28th was apparently one of a series that damaged Iowa earlier in the night, Peoria at 3:30 a m., and Loraine O. the following afternoon. Its wind at Peoria destroyed more than half million in property and was the worst since June 1902. Attending rains greatly flooded Kickapoo Creek, half submerging lower houses of Pottstown. Rains Aug. 19-20th were torrential over a dozen or more counties, culminating with 9 15 inches at Galva. Resulting floods washed out many bridges, 52 in a single county, disabled several railroads, one of them for 10 days, and reached what were said to be the highest stages ever recorded in some of the smaller rivers. October and November provided an uncommonly delightful autumn. A December sleet storm heavily coated Peoria and caused damage into the millions to south and southeastward, being the worst such storm at Springfield since 1883. Reports from southeastward mention trees split to the ground, with ice loads in some cases 7 to 15 times the weight of the tree; heavy transmission wires attaining an ice diameter of 4 inches; a field fence of woven wire coated into an unbroken vertical sheet of ice. Twenty-four below zero on the 28th is the 70-year record for December, and the coldest here for any month since February 1905.

Summary of Averages and Extremes, 19 to 69 Years. Peoria, Illinois.

MONTH.	¶ TEMPERATURE									¶ PRECIPITATION								Humidity			Average percent Sunshine	WIND					NUMBER OF DAYS												
	Average of month.					Extremes one date.				Rain and meted snow								average percent									Sky*					Moisture				Temp.			
										Monthly totals					Max. in 24 hours								Highest				Clear									Max.		Min.	
	Average 68 yrs.	Warmest	Year	Coldest	Year	Highest	Year	Lowest	Year	Average 68 yrs	Greatest	Year	Least	Year	Amount	Year	Average Snowfall	7 a. m.—20 yrs.	Noon—7 yrs.	7 p. m.—20 yrs.		Average hourly vel.	Velocity	Direction	Year	Prevailing direction	Average	Greatest	Least	Partly Cloudy	Cloudy	Precip. .01 or more	Snow 0.1 or more	Thunderstorms	Dense fog	32° or below	90° or above	32° or below	Zero or below
	a	a	a	9	a	a	a	a	a	a	a	a	a	a	c	c	b	c	d	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	a	a	a	t
Jan.	**24.0**	40	1880	10	1918	71	1909	-27	1884	**1.78**	5.95	1916	0.07	1919	2.90	1897	6.2	88	74	81	47	8.7	53	S	1906	S	10	18	4	7	14	9	6	1	2	14	0	29	4
Feb.	**26.5**	41	1882	13	1875	72	1921	-26	1905	**1.93**	5.64	1900	0.06	1877	2.89	1887	5.5	86	71	77	55	9.3	46	Sw	1918	NW	10	14	4	7	11	8	4	§	1	11	0	26	3
Mar.	**37.8**	50	1910	28	1867	87	1907	- 6	‡'13	**2.78**	5.84	1920	0.25	1856	2.89	1859	2.9	84	63	69	59	9.6	51	Sw	1918	S	12	23	4	8	11	10	4	3	§	3	0	19	§
April	**50.8**	59	1915	38	1857	92	‡'99	14	1920	**3.28**	7.86	1893	0.45	1870	2.69	1905	0.7	79	62	62	59	9.5	49	W	1908	S	10	19	6	10	10	12	1	5	§	§	0	7	0
May.	**61.2**	69	‡'81	52	‡'67	98	1895	28	1906	**3.92**	11.49	1915	0.93	1879	4.86	1915	T	78	56	61	65	7.7	43	W	1907	S	12	21	4	11	8	12	0	8	§	0	1	§	0
June	**70.3**	77	1873	65	1869	101	1887	35	1859	**3.63**	11.18	1882	0.45	1863	4.74	1911	....	80	57	61	73	6.1	48	NW	1924	S	14	22	7	11	5	9	0	10	§	0	5	0	0
July	**74.4**	82	1901	67	1865	106	1901	46	1911	**3.72**	8.87	1860	0.46	1913	4.09	1895	..	81	51	58	76	5.1	50	W	1906	S	17	26	6	11	3	9	0	8	§	0	11	0	0
Aug.	**72.6**	79	1900	67	1866	105	1873	41	‡'15	**3.09**	9.04	1862	0.44	1893	3.73	1916	....	84	55	65	71	5.0	58	N	1907	S	15	21	7	11	5	9	0	8	§	0	8	0	0
Sept.	**65.3**	72	1897	57	1867	104	1899	26	1899	**3.72**	12.30	1911	0.60	1867	3.63	1888	....	88	56	71	66	5.4	35	N‡	1907	S	14	24	5	9	7	9	0	6	§	0	3	§	0
Oct.	**53.1**	61	1900	43	1869	92	1922	14	1869	**2.32**	5.68	1877	0.04	1897	2.02	1890	T	87	57	70	62	6.5	48	W	1905	S	15	23	5	7	9	8	0	2	1	0	§	5	0
Nov.	**38.8**	48	1909	30	1880	80	1888	- 1	1857	**2.30**	5.53	1909	0.07	1917	3.00	1858	0.9	86	69	73	54	8.1	50	W	1905	S	11	17	4	9	10	8	1	1	1	2	0	16	0
Dec.	**28.2**	44	1877	16	1876	71	1875	-24	1924	**2.05**	7.15	1878	0.28	1876	2.60	1895	3.6	88	76	81	47	8.1	39	SW	1911	S	9	17	5	8	14	9	4	§	1	10	0	26	2
Year	**50.3**	55	1921	46	1875	106	1901	-27	1884	**34.49**	53.26	1858	23.18	1910	....	....	20.3	84	62	69	61	7.3	58	N	1907	S	148	18[illegible]	98	110	107	112	20	52	6	40	28	128	9

Length of record years:- a, 69; b, 36; c. 20; d, 7. ¶ records 1856-1904 by Dr. Brendel; 1905 to 1924 by U.S. Weather Bureau. * Daylight hours only. §Less than one.

‡ Also in one or more other years.

COMPARATIVE DATA
1905 to 1924

Monthly and Annual Averages of Daily Maximum Temperatures.

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An'l.
1905	28.4	24.4	53.1	61.0	71.6	82.5	81.7	85.5	78.3	63.5	50.8	38.1	59.9
1906	38.8	35.9	35.7	65.3	74.3	80.3	84.9	87.1	81.8	63.1	47.2	37.5	61.0
1907	35.5	36.9	55.1	53.1	65.8	77.8	84.0	82.5	74.9	62.4	49.0	39.5	59.7
1908	35.8	34.1	52.1	62.0	71.1	79.7	85.3	84.5	83.1	66.5	52.2	37.9	62.0
1909	34.5	41.1	45.9	59.4	70.0	81.3	81.9	89.5	75.2	60.9	57.6	26.7	60.4
1910	31.6	32.9	63.0	63.6	66.8	82.0	87.1	84.5	76.7	69.1	44.7	33.7	61.4
1911	35.7	40.2	51.2	57.5	81.3	87.6	87.1	84.0	78.1	61.3	42.1	40.2	62.2
1912	18.5	28.1	37.4	62.3	75.9	80.5	85.9	82.7	77.8	67.0	51.4	41.6	59.1
1913	36.4	33.3	45.3	62.5	74.0	85.7	90.5	90.1	78.4	61.7	55.4	41.7	62.9
1914	39.0	28.0	45.2	61.3	77.2	85.6	91.3	87.8	77.3	67.5	54.2	28.6	61.9
1915	29.1	41.6	41.8	70.1	69.1	79.0	81.2	76.7	77.7	67.9	54.2	34.1	60.2
1916	36.3	32.4	46.7	59.4	71.4	75.4	93.8	87.2	75.3	65.6	52.3	34.3	60.8
1917	33.8	30.7	50.2	56.1	66.6	77.6	86.0	81.9	74.7	53.9	51.1	27.8	59.5
1918	19.3	38.4	58.8	54.6	77.3	82.4	83.7	88.2	69.4	66.8	50.1	44.3	61.1
1919	38.1	38.9	50.3	61.0	68.0	84.7	90.5	83.0	79.9	66.6	46.9	27.9	61.3
1920	26.5	35.0	51.8	52.7	71.5	83.4	85.7	83.9	80.3	71.4	46.3	38.5	60.6
1921	39.2	41.9	58.6	64.7	76.4	87.3	91.6	83.6	80.6	66.6	47.1	39.7	64.8
1922	33.6	39.2	48.8	62.5	75.8	84.8	85.6	86.5	82.2	70.3	50.5	33.1	63.2
1923	38.3	31.0	44.3	61.2	72.3	83.2	89.6	84.7	75.3	60.6	50.3	45.6	61.4
1924	28.0	35.1	41.2	64.7	66.6	78.7	82.0	82.9	70.8	72.3	50.6	30.1	53.6
Means	32.8	35.0	48.8	60.8	72.2	82.0	86.5	84.9	77.4	65.2	50.2	[illegible]	61.0

COMPARATIVE DATA
1905 to 1924

Monthly and Annual Average of Daily Minimum Temperatures

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An'l.
1905	15.2	5.9	34.7	40.0	51.5	59.9	62.4	63.2	56.8	41.1	29.1	21.5	40.1
1906	21.7	18.2	22.9	43.2	51.6	58.3	60.3	63.8	57.6	42.5	31.5	23.6	41.3
1907	20.6	19.7	36.0	33.6	44.4	56.0	64.5	61.3	53.8	40.3	27.6	25.7	40.3
1908	17.9	20.0	32.5	40.0	52.9	59.2	63.0	60.7	55.0	41.7	31.5	20.9	41.3
1909	18.1	22.6	27.8	37.5	48.4	61.1	61.0	64.2	52.8	38.6	38.3	11.6	40.2
1910	17.0	14.6	36.6	40.3	46.0	57.1	63.6	60.0	54.0	44.2	25.8	17.1	39.7
1911	19.0	24.3	29.3	39.2	55.1	63.4	63.0	60.1	57.6	41.4	24.5	25.8	41.9
1912	3.6	13.5	19.5	40.7	52.3	56.2	63.8	62.2	56.2	42.7	32.2	23.7	38.9
1913	19.1	15.5	25.5	40.9	50.8	60.7	66.5	65.6	55.3	42.4	38.9	29.7	42.6
1914	25.4	10.6	28.5	41.1	52.9	62.7	66.2	63.0	55.1	47.0	32.5	13.6	41.5
1915	12.9	29.2	26.4	47.4	48.0	56.5	62.6	57.6	58.0	43.4	33.3	21.5	41.4
1916	18.1	16.5	28.2	40.3	51.4	56.1	68.1	64.7	51.8	42.7	32.6	16.2	40.6
1917	15.1	11.0	29.7	38.8	44.5	57.8	64.0	59.8	52.7	34.6	32.6	11.8	37.7
1918	1.5	17.4	32.3	37.1	55.5	60.5	61.9	66.8	47.1	45.7	33.7	28.9	40.7
1919	20.2	22.7	31.4	41.6	48.4	65.0	66.3	60.8	56.6	44.9	23.9	13.3	41.7
1920	10.8	20.2	31.2	35.8	50.0	60.5	61.5	60.4	56.7	49.0	30.9	23.2	40.8
1921	25.1	27.0	36.0	43.9	53.8	66.3	67.9	63.9	59.5	44.5	32.7	24.7	45.4
1922	14.0	20.6	33.5	42.5	55.5	61.6	63.8	62.5	57.0	45.6	36.0	10.6	42.7
1923	25.3	15.4	24.0	37.6	49.6	62.7	65.7	62.2	55.4	40.3	34.1	30.4	41.9
1924	10.0	20.8	25.5	42.3	44.4	59.7	60.1	62.5	50.1	46.1	31.9	13.4	39.2
Means	16.5	18.3	29.7	40.2	50.4	60.1	63.8	62.3	55.0	42.9	32.0	20.8	41.0

Monthly and Annual Percentage of Sunshine, 20 Yrs.

Yr.	J	F	M	A	M	J	J	A	S	O	N	D	A
1905	..	67	53	78	72	79	69	70	66	73	78	71	..
1906	48	67	53	74	78	77	82	76	70	50	46	28	62
1907	26	56	50	46	50	59	70	68	68	70	65	42	56
1908	56	54	55	64	65	89	77	83	85	74	63	52	67
1909	34	52	63	61	71	68	67	83	66	60	50	36	59
1910	46	56	87	55	59	71	61	59	53	75	57	56	61
1911	32	48	65	50	79	80	86	76	59	48	52	53	61
1912	63	58	56	68	66	74	71	61	61	71	70	60	65
1913	37	51	46	57	55	72	74	62	52	39	51	38	53
1914	29	57	52	61	80	70	74	63	64	58	63	28	58
1915	46	36	54	74	57	63	58	56	62	69	51	49	56
1916	40	57	56	62	68	74	93	81	79	67	69	67	68
1917	67	67	66	54	61	74	84	78	74	46	58	54	65
1918	54	63	75	59	72	74	75	66	61	52	48	50	63
1919	72	53	64	52	56	73	90	84	78	58	54	37	64
1920	52	51	62	42	60	73	77	65	66	61	38	40	57
1921	49	43	54	60	70	68	84	66	63	67	29	33	57
1922	58	64	41	57	63	83	78	79	79	70	40	48	63
1923	44	50	57	52	59	68	80	67	45	65	47	50	58
1924	57	50	28	61	51	59	74	71	69	81	55	50	58
Avg	48	55	57	59	65	72	76	71	66	63	54	47	61

21 Oct 27

1924 conti

23 Ja25 dh. g.

Annual Meteorological Summary for 1924, at Peoria Illinois.

MONTH.	TEMPERATURE						PRECIPITATION					HUMID. Percent			SUN-SHINE		WIND					NUMBER OF DAYS.										
																			Highest										Temperature			
																													Max		Min	
	Normal—34 yr.	Mean 1924.	Highest	Date.	Lowest	Date.	Normal, 31 yr.	Total, 1924	Greatest in 24 hours	Date.	Snowfall	7 a. m.	Noon	7 p. m.	Number of h'rs	Percent of possible	Avg. miles per h'r.	Prevailing Dir.	Velocity	Direction.	Date.	Clear *	Partly Cloudy *	Cloudy *	Precip. .01 or more	Snow 0.1 or more	Thunderstorms	Dense Fog	32 or below	90 or above	32 or below	zero & below
January	23	19	51	8	-20	5	2.20	1.72	1.03	9-10	5.0	88	73	80	169	57	7.4	S	26	NW	25	16	4	11	9	5	0	1	18	0	29	9
February	26	28	58	3	6	22	2.69	1.64	0 60	4- 5	5.9	93	80	84	155	50	7.6	NE	28	NE	4	14	3	12	11	9	0	4	12	0	28	0
March	37	35	66	27	18	10	2 96	2.28	1.12	28-29	7.9	89	77	79	105	28	7.7	NW	35	SW	29	7	3	21	14	10	2	0	5	0	24	0
April	51	54	86	16	22	1	3.23	2.13	0.67	27	0.4	77	53	57	244	61	7.8	S	30	W	19	13	10	7	10	0	6	0	0	0	4	0
May	62	56	86	5	36	21	4 26	1.91	0.47	29	0	79	52	57	230	51	5.8	NW	25	NW	17	15	8	8	14	0	3	0	0	0	0	0
June	71	69	95	19	48	6	4.30	8.08	2.01	24	0	85	64	66	265	59	5.1	SE	48	NW	28	11	12	7	15	0	14	0	0	1	0	0
July	75	71	94	21	49	1	2.97	5.59	2.73	12	0	84	58	59	338	74	4.4	S	21	W	29	20	7	4	9	0	10	0	0	4	0	0
August	72	73	95	5	51	14	2.93	7.15	2.64	19-20	0	88	66	72	303	71	4.8	S	21	N	19	19	10	2	10	0	10	0	0	5	0	0
September. .	64	60	88	21	38	30	3.12	3.74	1.88	19	0	88	60	73	228	60	5.4	N	25	SW	21	16	7	7	6	0	3	0	0	0	0	0
October	52	59	84	18	28	23	2.57	1.27	0.51	7- 8	0	88	50	68	288	84	5.1	S	33	W	30	26	3	2	6	0	1	0	0	0	0	0
November	38	41	75	5	10	29	2.64	0.52	0.29	11	0.2	82	62	69	165	55	8.4	S	25	W	21	12	10	8	6	2	1	0	2	0	3	0
December	28	22	52	8	-24	28	2.37	2.40	0.89	4-5	6.6	91	76	86	145	50	8.0	S	31	W	8	10	9	12	13	5	0	2	19	0	26	7
Year	50	49	95	Jun 19	-24	Dec 28	36 29	38.43	2.73	July 12	26.0	86	64	71	2634	58	6.5	S	48	NW	Jun 28	179	86	101	123	31	50	7	56	10	132	16

[WBO. Peoria Ill. 1-14-25-200]

* Daylight hours only.